



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
UV-212SERIAL NO.
09/974,646INFORMATION DISCLOSURE
STATEMENT BY APPLICANTSAPPLICANTS
William L. Thomas et al.CONFIRMATION NO.
9935FILING DATE
October 9, 2001GROUP
2611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	4,355,415	10/19/1982	George, et al.			
VS	4,488,179	12/11/1984	Krüger, et al.			
VS	4,602,279	07/22/1986	Freeman			
VS	4,694,490	09/15/1987	Harvey, et al.			
VS	4,704,725	11/03/1987	Harvey, et al.			
VS	4,706,121	11/10/1987	Young			
VS	4,718,107	01/05/1988	Hayes			
VS	4,745,549	05/17/1988	Hashimoto			
VS	4,751,578	06/14/1988	Reiter, et al.			
VS	4,787,063	11/22/1988	Muguet			
VS	4,847,698	07/11/1989	Freeman			
VS	4,857,999	08/15/1989	Welsh			
VS	4,908,707	03/13/1990	Kinghorn			
VS	4,930,158	05/29/1990	Vogel			
VS	4,959,720	09/25/1990	Duffield, et al.			
VS	4,963,994	10/16/1990	Levine			
VS	4,965,825	10/23/1990	Harvey, et al.			
VS	4,977,455	12/11/1990	Young			
VS	5,027,400	06/25/1991	Baji, et al.			
VS	5,047,867	09/10/1991	Strubbe, et al.			
VS	5,109,279	04/28/1992	Ando			
VS	5,109,414	04/28/1992	Harvey, et al.			
VS	5,134,719	07/28/1992	Mankovitz			
VS	5,151,789	09/29/1992	Young			
VS	5,155,591	10/13/1992	Wachob			
VS	5,172,413	12/15/1992	Bradley, et al.			
VS	5,200,822	04/06/1993	Bronfin, et al.			
VS	5,231,493	07/27/1993	Apitz			
VS	5,233,654	08/03/1993	Harvey, et al.			

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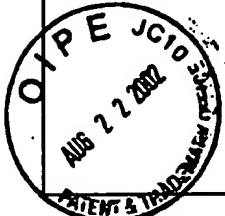
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DATE CONSIDERED 06/12/2006

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	5,249,043	09/28/1993	Grandmougin			
VS	5,299,006	03/29/1994	Kim			
VS	5,335,277	08/02/1994	Harvey, et al.			
VS	5,339,434	08/16/1994	Rusis			
VS	5,341,350	08/23/1994	Frank, et al.			
VS	5,353,121	10/04/1994	Young, et al.			
VS	5,357,276	10/18/1994	Banker, et al.			
VS	5,404,567	04/04/1995	DePietro, et al.			
VS	5,410,344	04/25/1995	Graves, et al.			
VS	5,426,699	06/20/1995	Wunderlich, et al.			
VS	5,442,389	08/15/1995	Blahut, et al.			
VS	5,461,415	10/24/1995	Wolf, et al.			
VS	5,465,385	11/07/1995	Ohga, et al.			
VS	5,502,504	03/26/1996	Marshall, et al.			
VS	5,517,257	05/14/1996	Dunn, et al.			
VS	5,523,794	06/04/1996	Mankovitz, et al.			
VS	5,524,195	06/04/1996	Clanton, III, et al.			
VS	5,524,271	06/04/1996	Hollmann, et al.			
VS	5,537,141	07/16/1996	Harper, et al.			
VS	5,539,449	07/23/1996	Blahut, et al.			
VS	5,539,880	07/23/1996	Lakhani			
VS	5,541,638	07/30/1996	Story			
VS	5,541,738	07/30/1996	Mankovitz			
VS	5,548,338	08/20/1996	Ellis, et al.			
VS	5,550,576	08/27/1996	Klosterman			
VS	5,550,825	08/27/1996	McMullan, Jr., et al.			
VS	5,557,338	09/17/1996	Maze, et al.			
VS	5,559,548	09/24/1996	Davis, et al.			
VS	5,559,549	09/24/1996	Hendricks, et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	5,574,778	11/12/1996	Ely, et al.			
VS	5,576,755	11/19/1996	Davis, et al.			
VS	5,583,561	12/10/1996	Baker, et al.			
VS	5,583,563	12/10/1996	Wanderscheid, et al.			
VS	5,585,838	12/17/1996	Lawler, et al.			
VS	5,592,551	01/07/1997	Lett, et al.			
VS	5,594,509	01/14/1997	Florin, et al.			
VS	5,594,779	01/14/1997	Goodman			
VS	5,602,582	02/11/1997	Wanderscheid, et al.			
VS	5,606,642	02/25/1997	Stautner, et al.			
VS	5,616,876	04/01/1997	Cluts			
VS	5,619,247	04/08/1997	Russo			
VS	5,619,249	04/08/1997	Billock, et al.			
VS	5,619,274	04/08/1997	Roop, et al.			
VS	5,623,613	04/22/1997	Rowe, et al.			
VS	5,625,678	04/29/1997	Blomfield-Brown			
VS	5,629,867	05/13/1997	Goldman			
VS	5,630,119	05/13/1997	Aristides, et al.			
VS	5,632,007	05/20/1997	Freeman			
VS	5,635,987	06/03/1997	Park, et al.			
VS	5,648,824	07/15/1997	Dunn, et al.			
VS	5,652,613	07/29/1997	Lazarus, et al.			
VS	5,654,748	08/05/1997	Matthews, III			
VS	5,654,886	08/05/1997	Zereski, Jr. et al.			
VS	5,657,072	08/12/1997	Aristides, et al.			
VS	5,666,645	09/09/1997	Thomas, et al.			
VS	5,675,743	10/07/1997	Mavity			
VS	5,694,163	12/02/1997	Harrison			
VS	5,696,765	12/09/1997	Safadi			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	5,708,961	01/13/1998	Hylton, et al.			
VS	5,710,601	01/20/1998	Marshall, et al.			
VS	5,717,452	02/10/1998	Janin, et al.			
VS	5,721,829	02/24/1998	Dunn, et al.			
VS	5,727,060	03/10/1998	Young			
VS	5,732,216	03/24/1998	Logan, et al.			
VS	5,734,119	03/31/1998	France, et al.			
VS	5,742,443	04/21/1998	Tsao, et al.			
VS	5,745,710	04/28/1998	Clanton, III, et al.			
VS	5,751,282	05/12/1998	Girard, et al.			
VS	5,752,159	05/12/1998	Faust, et al.			
VS	5,752,160	05/12/1998	Dunn			
VS	5,754,771	05/19/1998	Epperson, et al.			
VS	5,758,257	05/26/1998	Herz, et al.			
VS	5,758,258	05/26/1998	Shoff, et al.			
VS	5,758,259	05/26/1998	Lawler			
VS	5,760,821	06/02/1998	Ellis, et al.			
VS	5,768,528	06/16/1998	Stumm			
VS	5,774,170	06/30/1998	Hite, et al.			
VS	5,778,182	07/07/1998	Cathey, et al.			
VS	5,778,187	07/07/1998	Monteiro, et al.			
VS	5,781,226	07/14/1998	Sheehan			
VS	5,781,227	07/14/1998	Goode, et al.			
VS	5,790,198	08/04/1998	Roop, et al.			
VS	5,790,423	08/04/1998	Lau, et al.			
VS	5,793,412	08/11/1998	Asamizuya			
VS	5,793,971	08/11/1998	Fujita, et al.			
VS	5,794,217	08/11/1998	Allen			
VS	5,796,952	08/18/1998	Davis, et al.			

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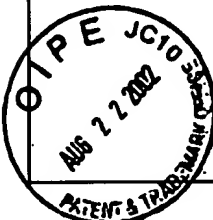
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VS	5,802,284	09/01/1998	Karlton, et al.			
VS	5,805,154	09/08/1998	Brown			
VS	5,805,763	09/08/1998	Lawler, et al.			
VS	5,805,804	09/08/1998	Laursen, et al.			
VS	5,805,806	09/08/1998	McArthur			
VS	5,808,608	09/15/1998	Young, et al.			
VS	5,808,694	09/15/1998	Usui, et al.			
VS	5,809,246	09/15/1998	Goldman			
VS	5,812,123	09/22/1998	Rowe, et al.			
VS	5,812,205	09/22/1998	Milnes, et al.			
VS	5,815,146	09/29/1998	Youden, et al.			
VS	5,818,438	10/06/1998	Howe, et al.			
VS	5,819,019	10/06/1998	Nelson			
VS	5,819,160	10/06/1998	Foladare, et al.			
VS	5,822,530	10/13/1998	Brown			
VS	Re. 35,954	11/10/1998	Levine			
VS	5,841,979	11/24/1998	Schulhof, et al.			
VS	5,844,620	12/01/1998	Coleman, et al.			
VS	5,850,218	12/15/1998	LaJoie, et al.			
VS	5,861,906	01/19/1999	Dunn, et al.			
VS	5,881,245	03/09/1999	Thompson			
VS	5,884,028	03/16/1999	Kindell et al.			
VS	5,886,707	03/23/1999	Berg			
VS	5,886,732	03/23/1999	Humpleman			
VS	5,887,243	03/23/1999	Harvey, et al.			
VS	5,892,915	04/06/1999	Duso, et al.			
VS	5,894,589	04/13/1999	Reber, et al.			
VS	5,896,414	04/20/1999	Meyer, et al.			
VS	5,898,441	04/27/1999	Flurry			

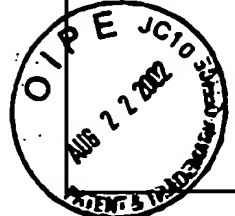
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VS	5,898,456	04/27/1999	Wahl			
VS	5,899,582	05/04/1999	DuLac			
VS	5,900,904	05/04/1999	Okada, et al.			
VS	5,903,234	05/11/1999	Kimura			
VS	5,903,263	05/11/1999	Emura			
VS	5,903,264	05/11/1999	Moeller, et al.			
VS	5,905,522	05/18/1999	Lawler			
VS	5,905,847	05/18/1999	Kobayashi, et al.			
VS	5,909,638	06/01/1999	Allen			
VS	5,911,046	06/08/1999	Amano			
VS	5,913,039	06/15/1999	Nakamura, et al.			
VS	5,914,941	06/22/1999	Janky			
VS	5,915,090	06/22/1999	Joseph, et al.			
VS	5,915,094	06/22/1999	Kouloheris, et al.			
VS	5,916,303	06/29/1999	Scott			
VS	5,917,538	06/29/1999	Asamizuya			
VS	5,917,835	06/29/1999	Barrett, et al.			
VS	5,920,702	07/06/1999	Bleidt, et al.			
VS	5,920,800	07/06/1999	Schäfer			
VS	5,922,045	07/13/1999	Hanson			
VS	5,922,048	07/13/1999	Emura			
VS	5,923,361	07/13/1999	Sutton, Jr.			
VS	5,926,204	07/20/1999	Mayer			
VS	5,926,205	07/20/1999	Krause, et al.			
VS	5,926,624	07/20/1999	Katz, et al.			
VS	5,928,327	07/27/1999	Wang, et al.			
VS	5,929,850	07/27/1999	Broadwin, et al.			
VS	5,930,473	07/27/1999	Teng, et al.			
VS	5,930,493	07/27/1999	Ottesen, et al.			

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VS	5,931,901	08/03/1999	Wolfe, et al.			
VS	5,933,603	08/03/1999	Vahalia, et al.			
VS	5,933,835	08/03/1999	Adams, et al.			
VS	5,935,206	08/10/1999	Dixon, et al.			
VS	5,936,569	08/10/1999	Stähle, et al.			
VS	5,940,071	08/17/1999	Treffers, et al.			
VS	5,940,073	08/17/1999	Klosterman et al.			
VS	5,943,046	08/24/1999	Cave, et al.			
VS	5,943,047	08/24/1999	Suzuki			
VS	5,945,987	08/31/1999	Dunn			
VS	5,947,746	09/07/1999	Tsai			
VS	5,949,411	09/07/1999	Doerr, et al.			
VS	5,956,482	09/21/1999	Agraharam, et al.			
VS	5,959,659	09/28/1999	Dokic			
VS	5,963,202	10/05/1999	Polish			
VS	5,964,455	10/12/1999	Catanzarite, et al.			
VS	5,969,714	10/19/1999	Butcher			
VS	5,973,680	10/26/1999	Ueda			
VS	5,973,722	10/26/1999	Wakai, et al.			
VS	5,974,217	10/26/1999	Haraguchi			
VS	5,977,963	11/02/1999	Gaughan, et al.			
VS	5,978,567	11/02/1999	Rebane, et al.			
VS	5,978,843	11/02/1999	Wu, et al.			
VS	5,986,650	11/16/1999	Ellis, et al.			
VS	5,990,881	11/23/1999	Inoue, et al.			
VS	5,999,970	12/07/1999	Krisbergh, et al.			
VS	6,002,394	12/14/1999	Schein, et al.			
VS	6,002,720	12/14/1999	Yurt, et al.			
VS	6,005,564	12/21/1999	Ahmad, et al.			

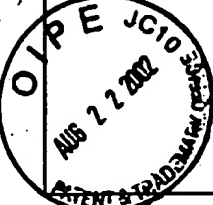
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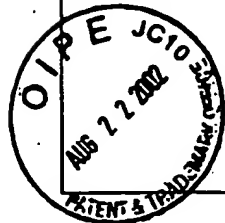
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VS	6,014,381	01/11/2000	Troxel, et al.			
VS	6,014,693	01/11/2000	Ito, et al.			
VS	6,014,694	01/11/2000	Aharoni, et al.			
VS	6,014,706	01/11/2000	Cannon, et al.			
VS	6,018,359	01/25/2000	Kermode, et al.			
VS	6,018,765	01/25/2000	Durana, et al.			
VS	6,020,912	02/01/2000	De Lang			
VS	6,022,223	02/08/2000	Taniguchi, et al.			
VS	6,023,725	02/08/2000	Ozawa, et al.			
VS	6,025,868	02/15/2000	Russo			
VS	6,028,600	02/22/2000	Rosin, et al.			
VS	6,029,064	02/22/2000	Farris, et al.			
VS	6,038,591	03/14/2000	Wolfe, et al.			
VS	6,052,145	04/18/2000	Macrae, et al.			
VS	6,141,488	10/31/2000	Knudson, et al.			
VS	6,160,546	12/12/2000	Thompson, et al.			
VS	6,208,335	03/27/2001	Gordon, et al.			
VS	6,314,575	11/06/2001	Billock, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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VS	60061935	09/04/1985	Japan				
VS	WO 88/04507	06/16/1988	PCT				
VS	WO 89/12370	12/14/1989	PCT				

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VS	EP 0 424 469 B1	05/02/1991	EPO				
VS	WO 91/07050	05/16/1991	PCT				
VS	WO 92/04801	03/19/1992	PCT				
VS	2 256 115	11/25/1992	Great Britain				
VS	EP 0 535 749 A2	04/07/1993	EPO				
VS	WO 93/08542	04/29/1993	PCT				
VS	WO 93/22877	11/11/1993	PCT				
VS	EP 0 572 090 A2	12/01/1993	EPO				
VS	Pub. No. 247388	10/15/1994	R.O.C.				
VS	EP 0 624 039 A2	11/09/1994	EPO				
VS	WO 95/01058	01/05/1995	PCT				
VS	WO 95/15658	06/08/1995	PCT				
VS	EP 0 662 771 A1	07/12/1995	EPO				
VS	EP 0 682 452 A2	11/15/1995	EPO				
VS	WO 95/31069	11/16/1995	PCT				
VS	WO 95/32583	11/30/1995	PCT				
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VS	WO 95/32585	11/30/1995	PCT				
VS	WO 95/32587	11/30/1995	PCT				
VS	WO 96/09721	03/28/1996	PCT				
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VS	WO 96/17467	06/06/1996	PCT				
VS	EP 0 725 539 A2	08/07/1996	EPO				
VS	WO 96/25821	08/22/1996	PCT				
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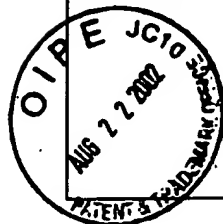
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PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANTSATTY. DOCKET NO.
UV-212SERIAL NO.
09/974,646APPLICANTS
William L. Thomas et al.CONFIRMATION NO.
9935FILING DATE
October 9, 2001GROUP
2611

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
VS	EP 0 758 833	02/19/1997	EPO				
VS	EP 0 763 938 A2	03/19/1997	EPO				
VS	WO 97/13368	04/10/1997	PCT				
VS	EP 0 424 469 B1	05/02/1997	EPO				
VS	WO 97/21291	06/12/1997	PCT				
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VS	WO 97/46943	12/11/1997	PCT				
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VS	WO 97/48228	12/18/1997	PCT				
VS	WO 97/49237	12/24/1997	PCT				
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VS	WO 98/17033	04/23/1998	PCT				
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VS	WO 98/18260	04/30/1998	PCT				
VS	WO 98/19459	05/07/1998	PCT				
VS	WO 98/26528	06/18/1998	PCT				
VS	WO 98/26584	06/18/1998	PCT				
VS	WO 98/26596	06/18/1998	PCT				
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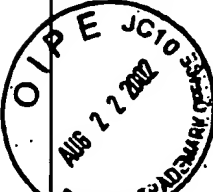
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	INFORMATION DISCLOSURE STATEMENT BY APPLICANTS		APPLICANTS William L. Thomas et al.	CONFIRMATION NO. 9935
			FILING DATE October 9, 2001	GROUP 2611

FOREIGN PATENT DOCUMENTS

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VS	WO 98/38831	09/03/1998	PCT				
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VS	WO 99/12320	03/11/1999	PCT			Abstract	
VS	WO 99/27681	06/03/1999	PCT				
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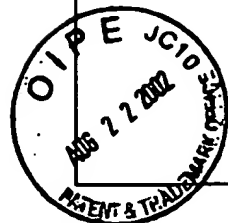
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VS	Sorce, J. et al., "Designing a Broadband Residential Entertainment Service: A Case Study," 13th International Symposium Human Factors in Telecommunications, Torino, Italy, September 10-14, 1990 pp. 141-148.
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VS	Miller, M. D. "A Scenario for the Deployment of Interactive Multimedia Cable Television Systems in the United States in the 1990's," Proceedings of the IEEE, Vol. 82, No. 4, pp. 585-589 (April 1994).
VS	Chang, Y., et al., "An Open-Systems Approach to Video on Demand," IEEE Communications Magazine, Vol. 32, No.5 pp. 68-80 (May 1994).
VS	"Electronic Programme Guide (EPG); Protocol for a TV Guide using electronic data transmission" by European Telecommunication Standards Institute, May 1997, Valbonne, France, publication no. ETS 300 707
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	APPLICANTS William L. Thomas et al.	CONFIRMATION NO. 9935
	FILING DATE October 9, 2001	GROUP 2611

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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VS	"Digital Video Broadcasting (DVB); DVB specification for data broadcasting", European Telecommunications Standards Institute, Draft EN 301 192 V1.2.1 (1999-01).

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William L. Thomas et al.FILING DATE
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STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	5,771,354	06/1998	Crawford et al.			
VS	5,671,377	09/1997	Bleidt et al.			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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VS	WO 00/30345	05/2000	WO				
VS	WO 98/48566	10/1998	WO				
VS	EP 0 944 257	09/1999	EP				
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VS	Li et al., "Distributed Multimedia Systems," <i>Proceedings of the IEEE</i> vol. 85 no. 7: pp. 1063-1108 (July 1997).

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Sheet 1 of 1

Complete if Known

Applicant Number	09/974,646
Filing Date	October 9, 2001
First Named Inventor	William L. Thomas
Art Unit	2617
Examiner Name	Vivek Srivastava
Attorney Docket Number	UV-212
Confirmation Number	9935

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
VS		US-5,771,354	06-23-1998	Crawford	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
VS		JP 11-177962	07-02-1999	Toshiba Corp.		✓

NON PATENT LITERATURE DOCUMENTS

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VS		S. Gondow, et al., "The Architecture of Communication Migration and Media State Management for Distributed Applications on Wearable Networks," Information Processing Society of Japan (National Conference Lecture Collected Paper), Tokyo, Japan, October 3, 2000, pp 1-2.	✓
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